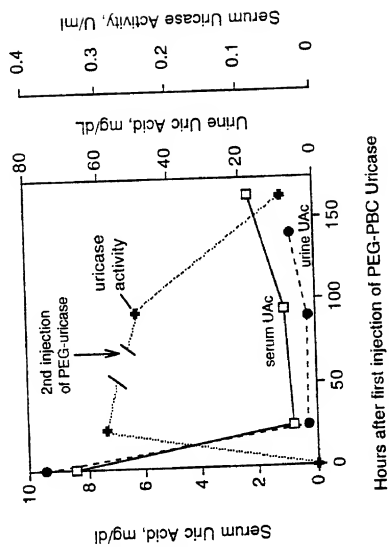
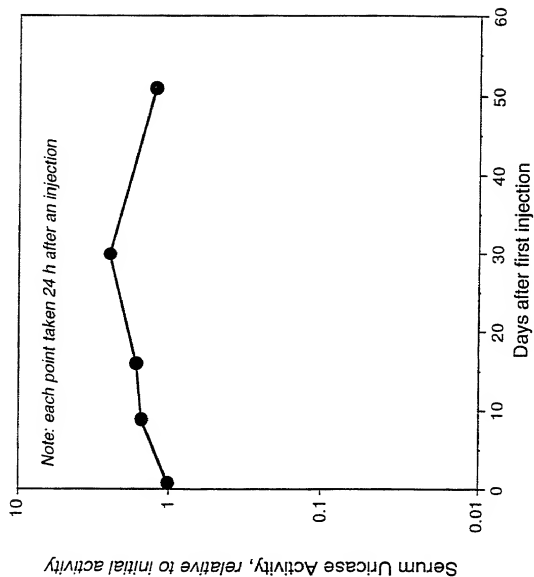


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**Fig. 3**

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**Fig. 4**

**Fig. 5**

Deduced Amino Acid Sequences of Pig-Baboon Chimeric Uricase (PBC Uricase)

and Porcine Uricase Containing the Mutations R291K and T301S (PKS Uricase),

Compared with the Porcine and Baboon Sequences

|         |                        |                  |                   |            |     |
|---------|------------------------|------------------|-------------------|------------|-----|
| Porcine | MAHYRNDYKK             | NDEVEFVRTG       | YGKDMIKVLH        | IQRDGKYHSI | 40  |
| PBC     | 1-225 porcine sequence | →                |                   |            |     |
| PKS     | 1-288 porcine sequence | →                |                   |            |     |
| Baboon  | MADYHNNYKK             | NDELEFVRTG       | YGKDMVKVLH        | IQRDGKYHSI | 40  |
| Porcine | KEVATSVQLT             | LSSKKDYLHG       | DNSDVIPTDT        | IKNTVNVLAK | 80  |
| PBC     | porcine sequence       | →                |                   |            |     |
| PKS     | porcine sequence       | →                |                   |            |     |
| Baboon  | KEVATSVQLT             | LSSKKDYLHG       | DNSDIIPTDT        | IKNTVHVLAK | 80  |
| Porcine | FKGIKSIETF             | AVTICEHFLS       | SFKHVIRAQV        | YVEEVPWKRF | 120 |
| PBC     | porcine sequence       | →                |                   |            |     |
| PKS     | porcine sequence       | →                |                   |            |     |
| Baboon  | FKGIKSIEAF             | GVNICEYFLS       | SFNHVIRAQV        | YVEEIPWKRL | 120 |
| Porcine | EKNGVKHVHA             | FIYTPGTGTHF      | CEVEQIRNGP        | PVIHSGIKDL | 160 |
| PBC     | porcine sequence       | →                |                   |            |     |
| PKS     | porcine sequence       | →                |                   |            |     |
| Baboon  | EKNGVKHVHA             | FIHTPTGTGTHF     | CEVEQLRSGP        | PVIHSGIKDL | 160 |
| Porcine | KVLKTTQSGF             | EGFIKDQFTT       | LPEVKDRCFA        | TQVYCKWRYH | 200 |
| PBC     | porcine sequence       | →                |                   |            |     |
| PKS     | porcine sequence       | →                |                   |            |     |
| Baboon  | KVLKTTQSGF             | EGFIKDQFTT       | LPEVKDRCFA        | TQVYCKWRYH | 200 |
| Porcine | QGRDVFDEAT             | WDTVRSIVLQ       | KFAGPYDKGE        | YSPSPQKTLY | 240 |
| PBC     | porcine sequence       | →                | ← baboon sequence |            |     |
| PKS     | porcine sequence       | →                |                   |            |     |
| Baboon  | QGRDVFDEAT             | WGTIRDVLVE       | KFAGPYDKGE        | YSPSPQKTLY | 240 |
| Porcine | DIQVLTGQV              | PEIEDMEISL       | PNIHYLNIDM        | SKMGLINKEE | 280 |
| PBC     | baboon sequence        | →                |                   |            |     |
| PKS     | porcine sequence       | →                |                   |            |     |
| Baboon  | DIQVLSLSRV             | PEIEDMEISL       | PNIHYFNIDM        | SKMGLINKEE | 280 |
| Porcine | VLLPLDNPYG             | RITGTVKRKL       | TSRL              |            |     |
| PBC     | baboon sequence        | →                | 304               |            |     |
| PKS     | porcine                | ← baboon 289-304 |                   |            |     |
| Baboon  | VLLPLDNPYG             | KITGTVKRKL       | SSRL              |            |     |